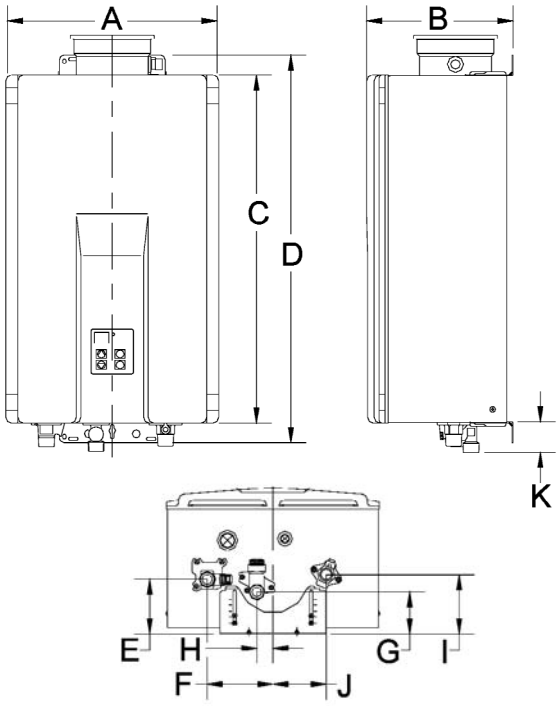
A. O. SMITH'S INNOVATION ON DEMAND

A. O. Smith's complete line of tankless gas water heaters

A Variety of Sleek, Compact Indoor Models To Choose From

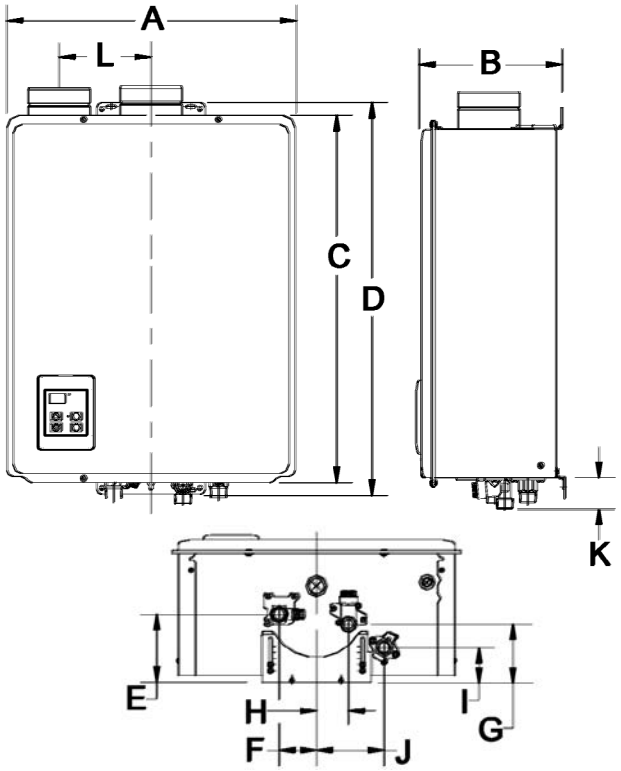
ATI-305-N (Natural Gas), ATI-305-P (Propane)
ATI-505-N (Natural Gas), ATI-505-P (Propane)

305 and 505 Models



ATI-705-N (Natural Gas), ATI-705-P (Propane)
ATI-705A-N (Natural Gas), ATI-705A-P (Propane) Commercial

705 Model



All Models Available In Both Natural Gas And Propane Designs

Model Dimensions

Dimension	Description	305 and 505 inches (mm)	705 inches (mm)
A	Width	14 (355.6)	18.5 (470)
B	Depth	9.6 (244.5)	9.3 (230.5)
C	Height - Unit	22.9 (582)	23.6 (600)
D	Height - with brackets	25.5 (648.2)	25.2 (640)
E	Hot Water Outlet - from wall*	3.6 (91)	4.5 (115)
F	Hot Water Outlet - from center	4.3 (110)	2.4 (61)
G	Cold Water Inlet - from wall*	2.8 (70)	3.9 (99)
H	Cold Water Inlet - from center	1.1 (27)	2.0 (52)
I	Gas Connection - from wall*	4.3 (109)	2.4 (61.2)
J	Gas Connection - from center From base to gas connection	3.5 (89) 1.6 (40)	4.3 (110) 1.6 (40)
K	From base to cold connection From base to hot connection	2.0 (50) 1.6 (41)	2.0 (50) 1.6 (41)

* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40mm).

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A. O. Smith On-Demand Gas Water Heaters

Residential and Commercial Product Features:

Innovative Technology

- A variety of indoor installation options
- Continuous hot water on demand (up to 9.8 GPM)
- Whole house water heating solution
- Direct electronic ignition – no pilot light
- On-board diagnostics and safety monitoring
- Interior sealed combustion (does not use interior combustion air)

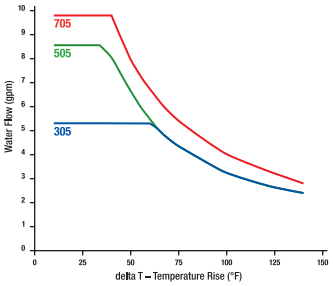
Excellent Performance

- 12-year limited warranty on heat exchanger, 5-year warranty on all parts
- Models available that meet requirements of ASME Boiler and Pressure Vessel Code

Energy Efficiency

- Up to 84% thermal efficiency, providing significant energy cost savings

Outlet Flow Data



Model Specifications

Model		305	505	705
Minimum Gas Consumption Btu/h		15,000		19,000
Maximum Gas Consumption Btu/h		199,000 Natural Gas 190,000 Propane Gas		237,000
Hot water capacity (Min - Max)*		0.6 - 5.3 GPM (2.3 - 20.1 L/min)	0.6 - 8.5 GPM (2.3 - 32.0 L/min)	0.6 - 9.8 GPM (2.3 - 37 L/min)
Hot water capacity (45°F rise)		5.3 GPM (20.1 L/min)	7.4 GPM (28.0 L/min) Natural Gas 7.1 GPM (26.9 L/min) Propane Gas	8.8 GPM (33.5 L/min)
Default Temperature Setting (no controller)		120º F (49º C)		
Remote Controller Default Temperature Setting		104º F (40º C)		
Maximum Temp Setting (Commercial**)		160º F (71º C)	185º F (85º C)	
Maximum Temp Setting (Residential)		140º F (60º C)		
Minimum Temperature Setting		98º F (37º C)		
Weight		50 lb (23 kg)		55 lb (25 kg)
Efficiency Rating		84%		
Noise level		49 dB		
Electrical Consumption	Normal	79 W		99 W
	Standby	2.8 W		2 W
	Anti-frost Protection	100 W		116 W
By-Pass Control		Fixed	Electronic	
Minimum Gas Supply Pressure	Natural Gas	5.0 inch W.C.		
	Propane	8.0 inch W.C.		
Maximum Gas Supply Pressure	Natural Gas	10.5 inch W.C.		
	Propane	13.5 inch W.C.		
Type of Appliance		Direct Vent, Temperature controlled continuous flow gas hot water system.		
Operation		With or without remote controls, mounted in kitchen, bathroom, etc.		
Approved Gas Type		Natural Gas or Propane - Ensure unit matches gas type it's being installed on.		
Connections		Gas Supply: 3/4˝ MNPT, Cold Water Inlet: 3/4˝ MNPT, Hot Water Outlet: 3/4˝		
Ignition System		Direct Electronic Ignition		
Electric Connections		Appliance: AC 120 Volts, 60Hz. Remote Control: DC 12 Volts (Digital)		
Water Temperature Control		Simulation Feedforward and Feedback.		
Water Supply Pressure		Minimum Water Pressure: 20 PSI (Recommended 30-80 PSI for maximum		
Maximum Water Supply Pressure		150 PSI		
Remote Control Cable		Non-Polarized Two Core Cable (Minimum 22 AWG)		

* Minimum flow may vary slightly depending on the temperature setting and the inlet water temperature.
** for commercial and hydronic applications requiring higher temperatures
Specifications are subject to change without prior notice.
The maximum inlet gas pressure must not exceed the value specified by the manufacturer. The minimum value listed is for the purpose of input adjustment.

A.O.Smith

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